

Reclamation Costs

a. Seal and Backfill Portals

AMR Costs- \$ 12,500/seal including backfill x 9 seals \$112,500

b. Removal Structures

All estimates with 10 digit numbers are from 2001 Means Site Work cost Data. Most of the steel and equipment will be salvaged for scrap or reuse. M&P Enterprises in Huntington, Utah, will pick up and pay \$40.00/ton for scrap iron & equipment if placed in 30 cu yd (8ft wide x 20 ft long x 5 ft high) dumpsters or loaded with crane on their trucks. Reclamation costs assume the steel will be picked up on site, but the mine receives no payment for the steel. D&R Salvage in Castle Dale will accept the steel without a dump fee. Therefore no dump fee is included for steel. Means cost data includes disposal to 20 miles, which is the approximate distance to the Nielson Construction landfill in Emery County. Dump fee for Nielson Construction landfill is \$7.00 typically.

Sales-Receiving-Scale House Complex

02220-100-0100 (Mixture type Building, includes disposal)

Volume = (34 ft) (83 ft) (16 ft) = 45,152 cu ft

Cost = (\$ 0.24 /cu ft) (45,152 cu ft) = \$ 10,837

Dump Fee = ((45,152 cu ft) / 27) * 0.3 rubble volume * 1.35 tons/cy) (\$7.00/ton) = \$4,741

Time = (45,152 cu ft) / (20,100 cu ft/day) = 2.25 days

Concrete Demolition

Total Footing Volume =(0.67 ft)(2 ft)(234 ft) = (313.6 cu ft) / 27 = 11.6 cu yds

Total Foundation Volume = (0.67 ft)(4 ft)(234 ft) = (627.1 cu ft) / 27 = 23.2 cu yds

Floor Volume = (83 ft)(34 ft)(0.33 ft) = (931.3 cu ft) / 27 = 34.5 cu yds

Total Volume = 69.3 cu. yds

Cost = (69.3 CY) (\$12.78/CY) = \$886

Time = (234 L.F.)/(300 L.F./day) + (234 ft)(4 ft)/(140 s.f./day) + (83 ft)(34 ft)/(500 s.f./day) = 13.10 days

02220-875-5550 (Concrete Disposal on Site) 002315-400-1300 (3 CY loader) 02320-200-0320 (16 ton truck)

Cost = (\$10.69/cu. yd.) (69.3 cu yds) (1.3 swell factor) = \$963

Time = 90.1 cu. yds. / (232 cu. yds./day) = 0.40 days

Cost Subtotal	\$17,427
Time Subtotal	15.75 days